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Application Number	10/792,256
Filing Date	3/2/2004
First Named Inventor	Schroeppel et al.
Art Unit	3762
Examiner Name	
Attorney Docket Number	3102.022

Sheet	1	of
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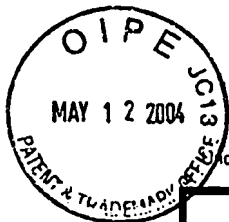
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		Art Unit			
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Sheet	1	of	8	Attorney Docket Number	3102.022

U.S. PATENT DOCUMENTS					
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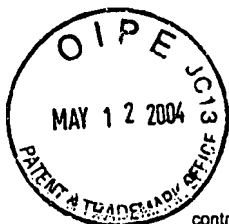
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SQ ↓ ✓		www.genetronics.com, retrieved 7/29/2003	
		<u>Electro-Cancer Treatment</u> , http://www.st-georg.com/ect.html , retrieved 10/25/1999.	
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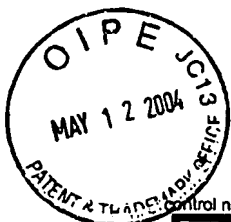
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		Application Number	10/792,256		
		Filing Date	Mar 11, 2004		
		First Named Inventor	Schroeppe, Edward A.		
		Art Unit			
Sheet	2	Sheet	8	Examiner Name	
				Attorney Docket Number	3102.022

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
S6		B. CHEN, Z. XIE, F. ZHU. <u>Experimental Study on Electrochemical Treatment of Cancer in Mice</u> , <i>European Journal of Surgery</i> , 1994; Suppl 574: 75-77.	
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		Filing Date	Mar 11, 2004		
		First Named Inventor	Schroepel, Edward A.		
		Art Unit			
		Examiner Name			
Sheet	3	Sheet	8	Attorney Docket Number	3102.022

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SG		C. HAUTON, M. CHARBONNIER, L. CARA and J.P. SALLES. <u>A New Type of Liposome for Electrochemical Treatment of Cancer: The Lipogelosomes</u> , European Journal of Surgery 1994; Suppl 574: 117-119	
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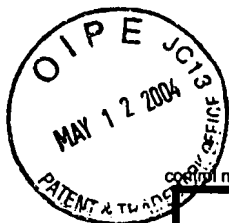
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SG		Y. MATSUSHIMA, E. TAKAHASHI, K. HAGIWARA, C. KONAKA, H. MIURA, H. KATO and Y. KOSHISHI. <u>Clinical and Experimental Studies of Anti-Tumoural Effects of Electrochemical Therapy (ECT) Alone or in Combination with Chemotherapy</u> , <i>European Journal of Surgery</i> 1994; Suppl 574: 59-67.	
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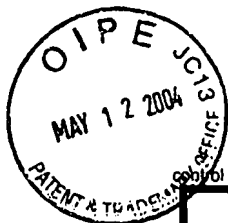
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SG		B.E.W. NORDENSTROM, M.D. <u>Survey of Mechanisms in Electrochemical Treatment (ECT) of Cancer</u> , <i>European Journal of Surgery</i> 1994; Suppl 574: 93-109	
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Sheet

6

of

8

Complete if Known

Application Number	10/792,256
Filing Date	Mar 11, 2004
First Named Inventor	Schroeppe, Edward A.
Art Unit	
Examiner Name	
Attorney Docket Number	3102.022

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	2
S		M.K. SCHAUBLE, M.B. HABAL. <u>Electropotentials of Tumor Tissues</u> . <i>Journal of Surgical Research</i> 9: 9, 1969.	
		M.K. SCHAUBLE, M.B. HABAL, H.D. GULLICK. <u>Inhibition of Experimental Tumor Growth in Hamsters by Small Direct Currents</u> , <i>Archives of Pathology and Laboratory Medicine Vol 101, p. 294, June 1977</i>	
		D.C. SCHECHTER. <u>Flashbacks: Containment of Tumors Through Electricity, Pacing and Clinical Electrophysiology</u> , Vol. 2, January-February 1979	
		K. SEGUCHI, S. KAWAUCHI, Y. MORIMOTO, T. ARAI, H. ASANUMA, M. HAYAKAWA, M. KIKUCHI. Abstract of <u>Critical Parameters in the Cytotoxicity of Photodynamic Therapy Using a Pulsed Laser</u> . <i>Lasers Med Sci</i> 2002;17(4):265-71.	
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		G. SERSA, M. CEMAZAR, D. MIKLAVCIC and D. J. CHAPLIN. <u>Tumor Blood Flow Modifying Effect of Electrochemotherapy with Bleomycin</u> , <i>Anticancer Research</i> 19: 4017-4022 (1999).	
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V		S. SRINIVASAN, G.L. GAHEN JR., G.E. STONER. <u>Electrochemistry in The Biomedical Sciences</u> . In: <i>Bloom H, Gumann F (eds): Electrochemistry The Last Thirty and The Next Thirty Years</i> . New York: Plenum Press, 1977.	

Examiner
Signature

S-G.

Date

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6/18/07

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/792,256
				Filing Date	Mar 11, 2004
				First Named Inventor	Schroepel, Edward A.
				Art Unit	
				Examiner Name	
Sheet	7	of	8	Attorney Docket Number	3102.022

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	2
S.G.		T.V. TAYLOR, P. ENGLER, B.R. PULLAN and S. HOLT. <u>Ablation of Neoplasia by Direct Current</u> , <i>British Journal of Cancer</i> (1994), 70, 342-345.	
		A. TURLER, H. SCHAEER, N. SCHAEFER, D. MAINTZ, M. WAGNER, J.C. QIAO and A.H. HOELSCHER. <u>Local Treatment of Hepatic Metastases with Low-Level Direct Electric Current: Experimental Results</u> , <i>Scandinavian Journal of Gastroenterology</i> 2000 Mar;35(3):322-328.	
		A.L. VANDENBOGAERDE, E.M. DELAEE, A.M. VANTIEGHEM, B.E. HIMPENS, W.J. MERLEVEDE P.A. de WITTE. Abstract of <u>Cytotoxicity and Antiproliferative Effect of Hypericin and Derivatives After Photosensitization</u> . <i>Photochem Photobiol</i> 1998 Jan;67(1):119-25.	
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		N.J. VOGELZANG, M. RUANE, and T.R. DeMEESTER. <u>Phase I Trial of an Implanted Battery-Powered, Programmable Drug Delivery System for Continuous Doxorubicin Administration</u> , <i>Journal of Clinical Oncology</i> , Vol. 3, No. 3 (March) 1985.	
		H. von EULER. <u>Electrochemical Treatment of Tumours</u> , <i>Doctoral Thesis, Uppsala 2002, Swedish University of Agricultural Sciences</i> .	
		H.L. WANG. <u>Electrochemical Therapy of 74 Cases of Liver Cancer</u> , <i>European Journal of Surgery</i> 1994; Suppl 574: 55-57.	
		J.C. WEAVER. <u>Electroporation: A General Phenomenon for Manipulating Cells and Tissues</u> . <i>J Cell Biochem</i> 1993; 51 No. 4: 426-435.	
V		B.D. WIGNESS, F.D. DORMAN, H.J. ROBINSON, E.A. ARENDT, T.R. OEGEMA JR., T.D. ROHDE, and H. BUCHWALD. <u>Catheter with an Anchoring Tip for Chronic Joint Capsule Perfusion</u> , <i>ASAIO Trans.</i> 1991 Jul-Sep; 37(3): M290-2	
		M. WOJCICKI, R. KOSTYRKA, B. KACZMAREK, J. KORDOWSKI, M. ROMANOWSKI, M. KAMINSKI, J. KLONEK, S. ZIELINSKI. Abstract of <u>Electrochemical Therapy in Palliative Treatment of Malignant Dysphagia: A Pilot Study</u> , <i>Hepatogastroenterology</i> 1999 Jan-Feb;46(25):278-84.	

Examiner Signature	S.G.	Date Considered	6/18/07
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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	10/792,256
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	Mar 11, 2004
				First Named Inventor	Schroeppel, Edward A.
				Art Unit	
				Examiner Name	
Sheet	8	of	8	Attorney Docket Number	3102.022

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
S.G.		B. WOLF, M. KRAUS and U. SIEBEN. <u>Potential of Microsensor-Based Feedback Bioactuators for Biophysical Cancer Treatment</u> . <i>Biosensors & Bioelectronics</i> Vol. 12, No. 4, pp. 301-309, 1997.	
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		Y.L. XIN, D. LIU. <u>Electrostatic Therapy (EST) of Lung Cancer and Pulmonary Metastasis: Report of 15 Cases</u> . <i>European Journal of Surgery</i> 1994; Suppl 574: 91-92	
		Y.L. XIN. <u>Organisation and Spread of Electrochemical Therapy (ECT) in China, Honorary Lecture</u> . <i>European Journal of Surgery</i> 1994; Suppl 577: 25-30.	
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		Y.L. XIN, F.Z. XUE, F.G. ZHAO. <u>Effectiveness of Electrochemical Therapy in the Treatment of Lung Cancers of Middle and Late Stage</u> . <i>Chinese Medical Journal</i> 1997; 110(5): 379-383.	
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		M. YOKOYAMA, T. ITAOKA, H. NAKAJIMA, T. IKEDA, T. ISHIKURA, S. NITTA. Abstract of <u>The Use of Direct Current in the Local Destruction of Cancer Tissues</u> , <i>Gan to Kagaku Ryoho</i> 1989 Apr:16(4 Pt 2-2):1412-1417.	

Examiner Signature	S.G.	Date Considered	6/18/07
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	IMPLANTABLE DEVICE AND METHOD FOR THE ELECTRICAL TREATMENT OF CANCER						
<p>Application Number: 10/792256</p> <p>Confirmation Number: 3969</p> <p>First Named Applicant: Edward Schroepel</p> <p>Attorney Docket Number: 3102.022</p> <p>Art Unit: 3762</p> <p>Search string: (4003379 or 4026304 or 4289135 or 4572214 or 4639244 or 4679561 or 4919138 or 4974595 or 5058605 or 5098843 or 5458627 or 5501662 or 5584872 or 5630426 or 5674267 or 5820548 or 6021347 or 6051017 or 6366808 or 6738663 or 20040010290).pn.</p>							
<p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p>							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
<input checked="" type="checkbox"/>	1	4003379	1975-09-24	Ellinwood Jr. EH			
<input type="checkbox"/>	2	4026304	1977-05-31	Levy			
<input type="checkbox"/>	3	4289135	1981-05-09	Nordenstrom, et al.			
<input type="checkbox"/>	4	4572214	1986-02-25	Nordenstrom, et al.			
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<input type="checkbox"/>	7	4919138	1990-04-24	Nordenstrom			
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<input type="checkbox"/>	10	5098843	1992-03-24	Calvin			
<input type="checkbox"/>	11	5458627	1995-10-17	Baranowski			
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<input type="checkbox"/>	14	5630426	1997-05-20	Eggers, et al.			
<input checked="" type="checkbox"/>	15	5674267	1997-10-07	Mir, et al.			



<input checked="" type="checkbox"/>	16	5820548	1998-11-13	Sieben, et al.
<input checked="" type="checkbox"/>	17	6021347	1998-02-01	Herbst, et al.
<input checked="" type="checkbox"/>	18	6051017	2000-04-18	Loeb, et al.
<input checked="" type="checkbox"/>	19	6366808	2002-04-02	Schroeppel
<input checked="" type="checkbox"/>	20	6738663	2004-05-18	Schroeppel

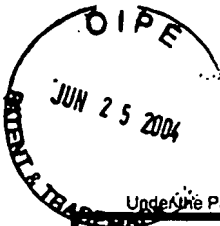
US Published Applications

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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
SG	1	20040010290	2004-01-15	Schroeppel			

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Examiner Name	Date
S.G	6/18/07



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				Application Number	10/792,256
				Filing Date	3/2/2004
				First Named Inventor	Schroeppel et al.
				Art Unit	3969
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	3102.022

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SG		US- 10/819,641	4 / 6 / 2004	Schroeppel et al.	
SG		US- 10/841,205	5 / 7 / 2004	Schroeppel et al.	

Examiner Signature	SG	Date Considered	6/18/07
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

IMPLANTABLE DEVICE AND METHOD FOR THE
ELECTRICAL TREATMENT OF CANCER

Application Number : 10/792256



Confirmation Number: 3969

First Named Applicant: Edward Schroeppel

Attorney Docket Number: 3102.022

Art Unit: 3762

Examiner:

Search string: (5993434 or 6708066 or 6733485 or 20010021868).pn

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
SC	1	5993434	1999-11-30	Dev, et al			
J	2	6708066	2004-03-24	Herbst, et al			
↓	3	6733485	2004-05-11	Whitehurst, et al			

US Published Applications

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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
SC	1	20010021868	2001-09-13	Herbst, et al			

Signature

Examiner Name	Date
S-G	6/18/07

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Implantable device and method for the electrical treatment of
cancer

Application Number : 10/792256



Confirmation Number: 3969

First Named Applicant: Edward Schroepfel

Attorney Docket Number: 3102.022

Art Unit: 3762

Examiner: Scott M. Getzow

Search string: (20040010290 or 20050222623 or 20050222646 or 20050004507).pn

US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
SC	1	20040010290	2004-01-15	Schroepfel et al.			
I	2	20050222623	2005-10-06	Schroepfel et al.			
I	3	20050222646	2005-10-06	Schroepfel et al.			
V	4	20050004507	2005-01-06	Schroepfel et al.			

Signature

Examiner Name	Date
S. G.	6/18/07

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention

Implantable device and method for the electrical treatment of
cancer

Application Number : 10/792256
Confirmation Number: 3969
First Named Applicant: Edward Schroeppel
Attorney Docket Number: 3102.022
Art Unit: 3762
Examiner: Scott M. Getzow
Search string: (5314451 or 5985305 or 6171787 or 6278895).pn



US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
S	1	5314451	1994-05-24	Mulier			
J	2	5985305	1999-11-16	Peery et al.			
J	3	6171787	2001-01-09	Wiley			
V	4	6278895	2001-08-21	Bernard			

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	10792256
Filing Date	2004-03-02
First Named Inventor	Edward Schroepel
Art Unit	3762
Examiner Name	Scott M. Getzow
Attorney Docket Number	3102.022

U.S. PATENTS

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
56	1	5611350		1997-03-18	John	
	2	5701895		1997-12-30	Prutchi et al.	
	3	5919187		1999-07-06	Guglielmi et al.	
	4	6169924		2001-01-02	Meloy et al.	
	5	6269270		2001-07-31	Boveja	
	6	6391026		2002-05-21	Hung et al.	
	7	6591133		2003-07-08	Joshi	
	8	6638273		2003-10-28	Farley et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10792256	
	Filing Date		2004-03-02	
	First Named Inventor	Edward Schroeppel		
	Art Unit	3762		
	Examiner Name	Scott M. Getzow		
	Attorney Docket Number	3102.022		

SE	9	6708066		2004-03-16	Whitehurst et al.	
↓	10	6713291		2004-03-30	King	
✓	11	6901296		2005-05-31	Whitehurst et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	10792256
	Filing Date	2004-03-02
	First Named Inventor	Edward Schroeppel
	Art Unit	3762
	Examiner Name	Scott M. Getzow
	Attorney Docket Number	3102.022

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